

AMENDMENTS TO THE SPECIFICATION:

Please amend the heading beginning at page 1, line 4, as follows:

TECHNICAL FIELD OF THE INVENTION

Please amend the heading beginning at page 1, line 11, as follows:

BACKGROUND OF THE INVENTION

Please amend the paragraph beginning at page 1, line 33, as follows:

For example it has been proposed to implement repetition schemes according to which a specific network component repeatedly transmits its access request. A second way of reducing collisions inherent in RA schemes is to group the network components into specific access classes. The definition of such access classes ~~allows to~~ can prohibit whole populations of network components the transmission of access requests based on their membership to a specific access class. Furthermore, collisions may be avoided or reduced by ~~providing a technique that allows to~~ differentiate differentiating between access requests of different network components. To that end each access request may comprise a particular identification code, also called “random discriminator” (GSM) or “signature” (3GPP), which allows a network component that receives two or more access requests simultaneously to discriminate between random access requests of different network components.

Please amend the heading beginning at page 3, line 1, as follows:

SUMMARY OF THE INVENTION

Please amend the paragraph beginning at page 3, line 3, as follows:

This need is satisfied ~~according to the invention~~ by a method of evaluating a code which is orthogonal to one or more further codes, the method comprising receiving, preferably over a non-power controlled channel, a signal which carries a code containing a sequence of code symbols, determining for a particular symbol instant at least one channel estimate, determining for the particular symbol instant a compensation value taking into account the at least one channel estimate, compensating each code symbol using the compensation value determined for the corresponding symbol instant, wherein the compensation is performed such that an original power relationship among the individual code symbols contained in the code is restored, and evaluating the code on the basis of the sequence of compensated code symbols exploiting the orthogonality to further codes.

Please amend the paragraph beginning at page 4, line 4, as follows:

According to a preferred variant ~~of the invention~~, the compensation of the individual code symbols is performed such that the individual code symbols of a received code symbol sequence are power-wise set in the same relation with respect to each other as they have originally been transmitted. Such a compensation strategy, which can advantageously be implemented on the basis of the symbol-based compensation approach, is particularly useful in the case of fast fading channels when the channel properties vary strongly during transmission of a single code symbol sequence.

Please amend the paragraph beginning at page 5, line 33, as follows:

The ~~invention~~ technology can be practiced as a hardware solution and as a computer program product comprising program code portions for performing the steps of the invention when the computer program product is run on a network component. The computer program product may be stored on a computer readable recording medium like a data carrier attached to or removable from the network component.

Please delete the paragraph beginning at page 6, line 25, which begins with:

Further aspects of the ...

Please amend the paragraph beginning at page 6, line 29, as follows:

Fig. 1 schematically shows the topography of a wireless communications network
 ~~according to the invention;~~

Please amend the paragraph beginning at page 6, line 32, as follows:

Fig. 2 schematically shows a random access scheme ~~in which the present invention may~~
 ~~be implemented;~~

Please amend the paragraph beginning at page 7, line 9, as follows:

Fig. 7 schematically shows the units of a user equipment involved in a code reception
 and evaluation procedure ~~according to the invention;~~

Please amend the paragraph beginning at page 7, line 15, as follows:

Fig. 9 shows a diagram depicting the results of a code evaluation procedure ~~according to the invention.~~

Please amend the heading beginning at page 7, line 19, as follows:

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Please amend the paragraph beginning at page 7, line 21, as follows:

In the following, ~~the invention~~ technology will exemplarily be set forth with respect to a wireless communications system according to the 3GPP specification. In particular, the invention will be described in context with the RA scheme defined in section 6 of the 3GPP document TS 25.214, Version 4.4.0 (2002-03) titled "Technical Specification Group Radio Access Network; Physical Layer Procedures (FDD); Release 4". It should be noted, however, that the invention could also be practiced in any other wireless communications system like CDMA 2000.

Please amend the paragraph beginning at page 7, line 29, as follows:

Furthermore, although ~~the invention is hereinafter~~ described in context with network components in the form of user equipments (UEs) requesting access to a common network component configured as a base station (BS), ~~the invention~~ technology is not limited to such specific network components. In particular, ~~the invention~~ technology is not limited to the "random access signaling" functionality described hereinafter. Other signaling functionalities apart from access control could be implemented ~~on the basis of the inventive concept~~ as well.

Please amend the paragraph beginning at page 7, line 37, as follows:

In Fig. 1 an exemplary 3GPP wireless communications network 10 ~~according to the invention is~~ depicted. As becomes apparent from Fig. 1, the network 10 comprises a central network node in the form of a base station BS and a plurality of user equipments UEs in the form of e.g. mobile telephones, personal digital assistants (PDAs), etc.

Please amend the paragraph beginning at page 8, line 22, as follows:

Fig. 2 shows a sketch of the 3GPP WCDMA RA scheme. In the following, this RA scheme will briefly be described ~~as far as it is relevant for the present invention.~~